

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-706 REV. A AND ICA-D412-706 REV. 0

REF TCCA STC: SH04-54

REF FAA STC: SR02055NY

REF. EASA STC: EASA.IM.R.S.01180

DESCRIPTION:

AT CHG 002, THE D412-706-011 FUEL PURGE CANISTER INSTALLATION HAS BEEN MODIFIED WITH LARGER VENT LINES TO ELIMINATE BACK PRESSURE THAT MAY OCCUR WHEN STARTING THE SECOND ENGINE IF THE CANISTER HAS NOT BEEN PROPERLY DRAINED. THE BACK PRESSURE IS EVIDENCED BY AN ONGOING VAPOR DISCHARGE FROM THE CANISTER VENT AT LOW TO MEDIUM RPM WHILE STARTING THE 2nd ENGINE. THE UPDATED PARTS LIST IS SHOWN BELOW:

IS


| QTY -011 | PART NUMBER | DESCRIPTION |
|-------------|--------------|--|
| X | D412-706-011 | FUEL PURGE CANISTER INSTALLATION (212/412) |
| 1 | D2001-4 | VALVE ASSEMBLY |
| 1 | D3262-043 | CANISTER ASSEMBLY (WAS D3262-041) |
| 2 | D3264-1 | BRACKET |
| 1 | D3297-1-0098 | HOSE ASSEMBLY |
| 1 | D3297-3-0085 | HOSE ASSEMBLY |
| 1 | D3297-3-0210 | HOSE ASSEMBLY |
| 1 | D4054-001 | TUBE ASSEMBLY (WAS D3298-001) |
| 1 | D4054-003 | TUBE ASSEMBLY (WAS D3298-003) |
| 1 | D3298-005 | TUBE ASSEMBLY |
| 1 | D3298-007 | TUBE ASSEMBLY |
| 1 | D4054-009 | TUBE ASSEMBLY (WAS D3298-009) |
| 1 | D3299-7 | FITTING (WAS 3299-1) |
| 1 | D3299-3 | FITTING |
| 1 | D3299-5 | FITTING |
| 1 | D3301-1 | PLACARD |
| 1 | D3301-3 | PLACARD |
| 1 | D3302-1 | DOUBLER |
| 1 | D3302-3 | DOUBLER |
| 2 | D3329-1 | BUSHING |
| 4 | AN3-5A | BOLT |
| 1 | AN814-6D | PLUG |
| 2 | AN815-6D | UNION |
| 1 | AN815-8D | UNION (WAS AN815-6D) |
| 1 | AN832-6D | UNION |
| 1 | AN833-6D | ELBOW |
| 1 | AN833-8D | ELBOW (WAS AN833-6D) |

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 10.01.07
CERT. NO.: SH04-54
ISSUE NO.: 1

| | | | |
|------------|---|--|--------------|
| A | NEW ISSUE | RF | 10.01.07 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | RF | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | RF | | |
| CHECKED |  | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9494 | SHEET 1 OF 3 |
| APPROVED |  | TITLE | SCALE |
| DE APPR. |  | 212/412 CANISTER UPGRADE KIT | NTS |
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Continue from previous sheet

| | | |
|---|-------------|---------------------------|
| 4 | AN924-6D | NUT |
| 1 | AN924-8D | NUT (WAS AN924-6D) |
| 1 | AN938-6D | TEE |
| 4 | AN960JD10L | WASHER (OR NAS1149D0332J) |
| 8 | AN960JD10 | WASHER (OR NAS1149D0363J) |
| 2 | AN960JD916 | WASHER |
| 4 | MS21042L3 | NUT |
| 2 | MS21919WDG9 | CLAMP |
| 2 | MS21920-42 | CLAMP |
| 8 | MS29512-06 | O-RING (WAS MS28778-6) |
| 2 | MS29512-08 | O-RING (WAS MS28778-6) |
| 1 | MS35489-11 | GROMMET |

FOR CUSTOMERS WHO HAVE EXPERIENCED THIS PROBLEM IN SERVICE, THE DSI 9494-011 UPGRADE KIT IS AVAILABLE TO UPGRADE THE INSTALLATION FROM CHG 001 TO CHG 002.

| QTY -011 | PART NUMBER | DESCRIPTION |
|-------------|--------------|------------------------------|
| X | DSI 9494-011 | 212/412 CANISTER UPGRADE KIT |
| 1 | D3262-043 | CANISTER ASSEMBLY |
| 1 | D4054-001 | TUBE ASSEMBLY |
| 1 | D4054-003 | TUBE ASSEMBLY |
| 1 | D4054-009 | TUBE ASSEMBLY |
| 1 | D3299-7 | FITTING |
| 1 | AN815-8D | UNION |
| 1 | AN833-8D | ELBOW |
| 1 | AN924-8D | NUT |
| 2 | MS29512-08 | O-RING |




WEIGHT AND BALANCE:
NO CHANGE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 10.01.07
CERT. NO.: SH04-54
ISSUE NO.: 1

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| DRAWN | RF | |
| CHECKED |  | DRAWING NO. REV. A |
| MFG. APPR. | M/A | DSI 9494 SHEET 2 OF 3 |
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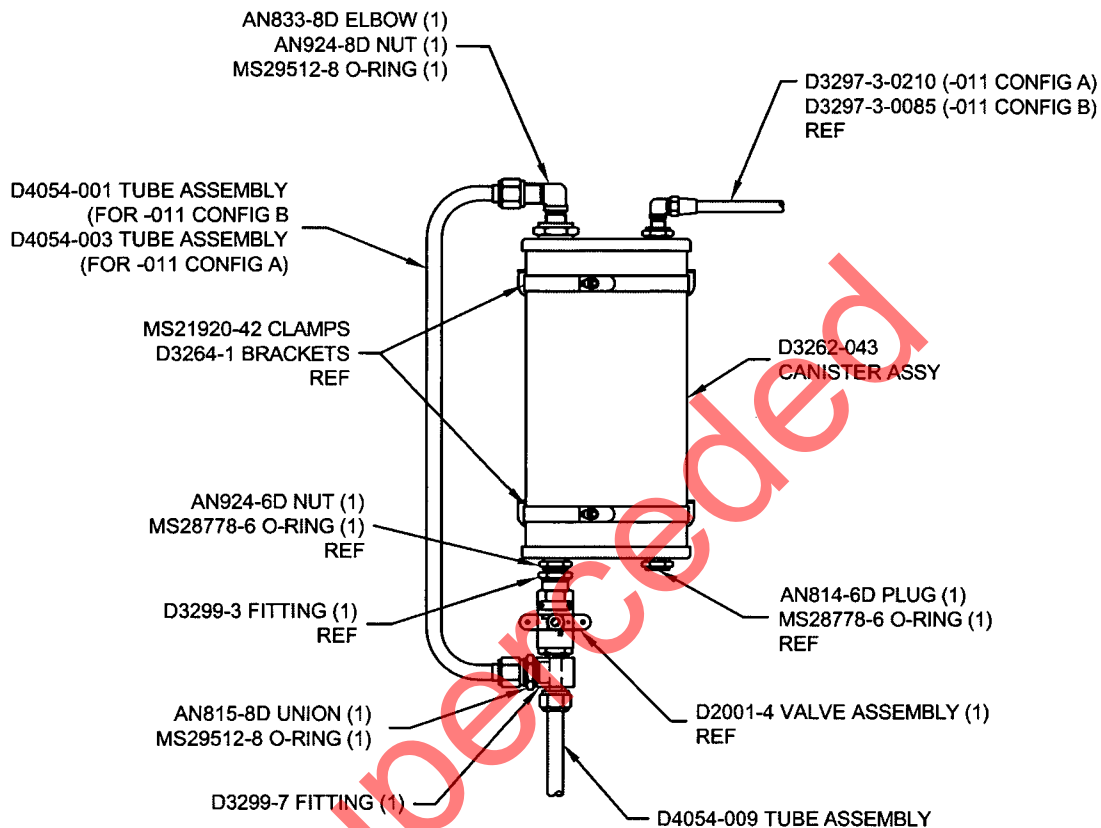


FIGURE 1. CANISTER ASSEMBLY
(-011 INSTALLATION AT CHG 002)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: [Signature]
D. SHEPHERD (DE # 02)

DATE: 10.01.07
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ISSUE NO.: 1

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| MFG. APPR. | N/A | DSI 9494 | SHEET 3 OF 3 |
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